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INFORMATION DISCLOSURE STATEMENT BY APPLICANT ( Not for submission under 37 CFR 1.99)

Application Number		10678336		
Filing Date		2003-10-03		
First Named Inventor	Laure	nce B. Boucher		
Art Unit		2462		
Examiner Name Daver		nport, Mon Cheri S.		
Attorney Docket Number		ALA-008H		

	U.S.PATENTS								
Examiner Initial*	miner Cite No Patent Number Kind Code1 Issue Date o		Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear					
	1	5281963		1994-01-25	Ishikawa et al.				
	2	5588121		1996-12-24	Reddin et al.				
	3	5129093		1992-07-07	Muramatsu et al.				
	4	7016361		2006-03-21	Swonk et al.				
	5	7519699		2009-04-14	Jain				
	6	6862264	B1	2005-03-01	Moura et al.				
	7	6594261	B1	2003-07-15	Boura et al.				
	8	7337241		2008-02-26	Boucher et al.				

9	5596574		1994-01-21	Periman et al.
10	5517668		1996-03-14	Szwerinski et al.
11	5706514	illi	1998-01-06	Bonola
12	5751723		1998-05-12	Vanden Heuvel et al.
13	5799150		1998-08-25	Hamilton et al.
14	5870394		1999-02-09	Oprea, Dan
15	5484460		1996-01-16	Schrier
16	5878227		1999-03-02	Wade et al.
17	5915094		1999-06-22	Kouloheris et al.
18	5926642		1999-07-20	Favor
19	5917828		1999-06-29	Thompson

20	7283522		2009-10-16	Siddabathuni, Ajoy C.
21	5963876		1999-10-05	Manssen et al.
22	5978844		1999-11-02	Tsuchiya et al.
23	6233242		2001-05-15	Mayer et al.
24	6014557		2000-01-11	Morton et al.
25	6542504		2003-04-01	Mahler et al.
26	7543087	B2	2009-06-02	Philibrick et al.
27	7496689	B2	2009-02-24	Sharp et al.
28	5935249		1999-08-10	Stern et al.
29	6631484		2003-10-07	Born
30	6343345		2002-01-29	Hilla et al.

31	7187679		2007-03-06	Dally et al.
32	7472156	B2	2008-12-30	Philbrick et al.
33	6453406	TI, II,	2002-09-17	Samikowski et al.
34	6014380		2010-01-11	Hendel et al.
35	6078564		2000-06-20	Lakshman et al.
36	6452915		2002-09-17	Jorgensen, Jacob
37	7073196		2006-07-04	Dowd et al.
38	6697366		2004-02-24	Kim
39	6976148		2005-12-13	Arimilli et al.
40	7047320		2006-05-16	Arimilli et al.
41	7287092	B2	2007-10-23	Sharp

 42	7181531		2007-02-20	Pinkerton et al.
43	7502869	B2	2009-03-10	Boucher et al.
44	7461160	B2	2008-12-02	Boucher et al.
45	7673072	B2	2010-03-02	Boucher et al.
46	7664868	B2	2010-02-16	Boucher et al.
47	7694024	B2	2010-04-06	Philbrick et al.
48	7664883	B2	2010-02-16	Craft et al.
49	7738500	B1	2010-06-15	Jones et al.
50	7640364	B2	2009-12-29	Craft et al.
51	7620726	B2	2009-11-17	Craft et al.
52	7627684	B2	2009-12-01	Boucher et al.

	53	7627001	B2	2009-12-01	Craft et al.	
	54	7584260	B2	2009-09-01	Craft et al.	
	55	7260518		2007-08-21	Kerr et al.	
	56	5274768		1993-12-28	Traw et al.	
	57	5484455		1996-01-16	Dobbins	
If you wis	h to add	d additional U.S. Pat	tent citatio	n information	please click the Add button.	
			U.S.P	ATENT APPL	ICATION PUBLICATIONS	
Examiner Initial*	Cite N	o Publication Number			Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20010037406	A1	2001-11-01	Philbrick, Clive M. et al.	
	2	20020156927	A1	2002-10-24	Boucher, Laurence B. et al.	
	3	20030014544	A1	2003-01-16	Pettey, Christopher J.	

McCormack et al.

4

20060133386

Α1

2006-06-22

5	20040010712	A1	2004-01-15	Hui, Man Him et al.
6	20040042458	A1	2004-03-04	Elzu. Uri
7	20040042464	A1	2004-03-04	Elzur, Uri et al.
8	20040049580	A1	2004-03-11	Boyd, William Todd et al.
9	20040049601	A1	2004-03-11	Boyd, William Todd et al.
10	20040210795	A1	2004-10-21	Anderson, Eric
11	20050060538	A1	2005-03-17	Beverly, Harlan T.
12	20060248208	A1	2006-11-02	Walbeck, Alan K. et al.
13	20070083682	A1	2007-04-12	Bartley, Gerald Keith et al.
14	20030046330	A1	2003-03-06	Hayes, John W.
15	20080043732	A1	2008-02-21	Desai, Shailendra et al.

16	20080170501	A1	2008-07-17	Patel, Alpesh et al.	
17	20080209084	A1	2008-08-28	Wang, Chi-Lie et al.	
18	20080240111	A1	2008-10-02	Gadelrab, Serag	
19	20090063696	A1	2009-03-05	Wang, Linghsiao et al.	
20	20050144300	A1	2005-06-30	Craft et al.	
21	20040088262	A1	2004-05-06	Boucher et al.	
22	20040249957	A1	2004-12-09	Ekis et al.	
23	20070140240	A1	2007-06-21	Dally et al.	
24	20030067903	A1	2003-04-10	Jorgensen, Jacob	
25	20030165160		2003-09-04	Minami et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button.

## FOREIGN PATENT DOCUMENTS

	١,			-0.	. 1		a color				
Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> i	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T5			
	1	WO 2007/130476	us		2007-11-15	Alacritech, Inc.					
If you wis	h to a	l dd additional Foreign F	Patent Docum	ent citation	information p	lease click the Add butto	on .				
			NON-PA	TENT LITE	RATURE DO	CUMENTS					
Examiner Initials*	Cite No		rnal, serial, sy	mposium,	catalog, etc),	f the article (when approper date, pages(s), volume-i		T5			
	1		Jnit: 2457; Con			evice." The entire file wrap ttomey Docket Number: AL					
	2		file wrapper fo	r application	number 09/69	ystem and Method for Acce 92,561. Group Art Unit: 245					
3	3	STARR, DARYL D., et al. "Intelligient Network Storage Interface System." The entire file wrapper for 10/261,051. Group Art Unit: 2451; Confirmation Number: 6753; Attorney Docket Number: ALA-010C, Filed September 30, 2002.									
	4	MERRITT, RICK. "Ethe pages.	met Interconne	ct Outpacin	g Infiniband at I	Intel." EE Times article. S	eptember 11, 2002. 9				
	5		re file wrapper t	for application	on number 12/5	ion Layer Headers to Redu 681,342. Group Art Unit: 21 09.					
	6	CRAFT, PETER K. et al. "TCP Offload Send Optimization." The entire file wrapper for application number 12/504,021. Group Art Unit: 2443; Confirmation Number: 9303; Attorney Docket Number: ALA-033R. Filed July 16, 2009.									
	7					work Interface Device Prior temote Device." The entire		_			

application number 12/470,980. Group Art Unit: 2447; Confirmation Number: 4934; Attorney Docket Number.

ALA-023A. Filed May 22, 2009.

Receipt date: 08/17/2010 10678336 10678336 - GALL: 2462 Application Number INFORMATION DISCLOSURE STATEMENT BY APPLICANT ( Not for submission under 37 CFR 1.99)

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First Named Inventor Laurer Art Unit Examiner Name Daven		2003-10-03						
		nce B. Boucher						
		2462						
		nport, Mon Cheri S.						
		ALA-008H						
	First Named Inventor Art Unit Examiner Name	First Named Inventor Laure Art Unit Examiner Name Dave	First Named Inventor Laurence B. Boucher  Art Unit 2462  Examiner Name Davenport, Mon Cheri S.	First Named Inventor				

8	STARR, DARYL D. et al. "Accelerating Data Transfer in a Virtual Computer System with Tightly Coupled TCP Connections." The entire file wrapper for application number 12/410,366. Group Art Unit: 2194; Confirmation Number. 3065; Attorney Docket Number. ALA-032R. Filed March 24, 2009.	
9	BOUCHER, LAURENCE B. et al. "Obtaining A Destination Address So That A Network Interface Device Can Write Network Data Without Headers Directly Into Host Memory." The entire file wrapper for application number 12/325,941.  Group Art Unit: 2451; Confirmation Number: 2493; Attorney Docket Number: ALA-013B, Filled December 1, 2008.	
10	BOUCHER, LAURENCE B. et al. "Enabling An Enhanced Function Of An Electronic Device." The entire file wrapper for application number 11/985,948. Group Art Unit: 3685; Confirmation Number: 9878; Attorney Docket Number: ALA-022A. Filed November 19, 2007.	
11	STARR, DARYL D. et al. "Network Interface Device With 10 Gb/s Full-Duplex Transfer Rate." The entire file wrapper for application number 11/799,720. Group Art Unit: 2184; Confirmation Number: 6200; Attomey Docket Number: ALA-102. Filed May 1, 2007.	
12	CRAFT, PETER K. et al. "Peripheral Device That DMAS The Same Data To Different Locations in A Computer." The entire file wrapper for application number 11/788,719. Group Art Unit: 2465, Confirmation Number: 5750, Attorney Docket Number: ALA-031. Filed April 19, 2007.	
13	BOUCHER, LAURENCE B. et al. "TCP/IP Offload Network Interface Device." The entire file wrapper for application number 11/701,705. Group Art Unit: 2443; Confirmation Number: 7450; Attorney Docket Number: ALA-009D. Filed February 2, 2007.	
14	STARR, DARYL D. et al. "TCP/IP Offload Device With Reduced Sequential Processing." The entire file wrapper for application number 11/348,810. Group Art Unit: 2452; Confirmation Number: 8739; Attorney Docket Number: ALA-026A. Filed February 6, 2006.	
15	CRAFT, PETER K. et al. "Transferring Control of TCP Connections Between Hierarchy of Processing Mechanisms." The entire file wrapper for application number 11/249,006. Group Art Unit: 2462; Confirmation Number. 3046; Attorney Docket Number: ALA-029. Filed October 11, 2005.	
16	BOUCHER, LAURENCE B. et al. "Network Interface Device That Can Transfer Control Of A TCP Connection To A Host CPU." The entire file wrapper for application number 11/029,863. Group Art Unit: 2443; Confirmation Number: 6345; Attorney Docket Number: ALA-008I. Filed January 4, 2005.	
17	CRAFT, PETER K. et al. "Protocol Stack That Offloads A TCP Connection From A Host Computer To A Network Interface Device." The entire file wrapper for application number 11/027,842, Group Art Unit: 2444; Confirmation Number: 6231; Attorney Docket Number. ALA-007F. Filed December 30, 2004.	
18	CRAFT, PETER K. et al. "Protocol Stack That Offloads A TCP Connection From A Host Computer To A Network Interface Device." The entire file wrapper for application number 11/016,642. Group Art Unit: 2444; Confirmation Number: 2157; Attomey Docket Number: ALA-007E. Filed December 16, 2004.	

	19	BOUCHER, LAURENCE B. et al. "Method and Apparatus For Dynamic Packet Batching With A High Performance Network Interface." The entire file wrapper for application number 10678,336. Group Art Unit: 2462; Confirmation Number: 9798; Attorney Docket Number: ALA-008H. Filed October 3, 2003.				
	20	PHILBRICK CLIVE M. et al. "Method And Apparatus For Data Re-Assembly With A High Performance Network Interface." The entire file wrapper for application number 10/634,062. Group Art Unit: 2443; Confirmation Number: 5537; Attorney Docket Number: ALA-008G. Filed August 4, 2003.				
	21	BOUCHER, LAURENCE B. et al. "High Network Interface Device And System For Accelerated Communication." The entire file wrapper for 10/601,237. Group Art Unit: 2443; Confirmation Number: 9286; Attorney Docket Number: ALA-008F. Filed June 19, 2003.				
	22	BOUCHER, LAURENCE B. et al. "Method And Apparatus For Distributing Network Traffic Processing On A Multiprocessor Computer." The entire file wrapper for 10/438,719. Group Art Unit: 2444; Confirmation Number: 7151; Attorney Docket Number: ALA-008E. Filed May 14, 2003.				
	23	BOUCHER, LAURENCE B. et al. "Parsing A Packet Header." The entire file wrapper for 10/277,604. Group Art Unit: 2457; Confirmation Number: 7644; Attorney Docket Number: ALA-008B. Filed October 18, 2002.				
	24	CHANDRANMENON, GIRISH P. "Trading Packet Headers for Packet Processing." IEEE/ACM Transaction on Networking. Volume 4, Number 2. April 1996. Pages 141-152.				
If you wish to add additional non-patent literature document citation information please click the Add button						
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